Wowza Streaming Engine™: Cloud Hosting Deployment Examples

Cloud Deployment: *Stream your content from high-performance virtual machines hosted remotely. Works with virtually all cloud hosting services.*

	Few Inputs, Few Viewers	Many Inputs, More Viewers	Many Inputs, Many Viewers	Lots of Inputs, Lots of Viewers	Other Cloud Providers
Cloud Provider and Instance Type	amazon web services — EC2: m1.small	amazon web services — EC2: m1.large	amazon web services — EC2: m1.xlarge	amazon web services — C3.8XLarge	Wowza Streaming Engine can also be deployed on the following hosts: **Microsoft Azure** / Google Cloud Platform / rackspace *the open cloud company*
Approx. Max. Network Performance	150 Mbps max. network I/O	350 Mbps max. network I/O	700 Mbps max. network I/O	1.73 Gbps max. network I/O	
Approx. Input Count (# of live streams)	• Fewer than 10 inputs per EC2 instance* • Larger instance sizes recommended for transcoding	• Fewer than 30 inputs per EC2 instance* • Larger instance sizes recommended for transcoding	• Fewer than 50 inputs per EC2 instance* • Larger instance sizes recommended for transcoding	Processed live inputs per EC2 instance:* • H.264 720p @ 5.588 Mbps: 7 can be transrated • H.264 1080p @ 9.720 Mbps: 5 can be transrated • MPEG-2, 720p @ 3.0 Mbps: 5 can be transrated	
Approx. Reach (Estimated number of concurrent viewers on a public network)	Up to 120 viewers per EC2 instance[†]	Up to 300 viewers per EC2 instance[†]	Up to 550 viewers per EC2 instance[†]	Up to 1,400 viewers per EC2 instance[†]	
Additional Information and Suggestions	For multiple instances, deploy a load-balancing solution	For multiple instances, deploy a load-balancing solution	For multiple instances, deploy a load-balancing solution	• Outputs are assumed to be for 4 bitrates each (720p, 360p, 240p, 160p) • No transcoding	
Purchase Information	**Cloud-Hosted Server Instance** awsmarketplace **Purchase directly from Amazon Marketplace**			**BYOL Wowza Streaming Engine Hosted** Buy a Wowza Streaming Engine license –AND– Install it on an Amazon Machine Image	
Notes	* Virtual system transcoder performance is limited by EC2 CPU resource limits † Virtual system output performance is limited by max. I/O For more detail about system performance for EC2, visit the Wowza forum thread EC2 Instance Performance.				